

# *United States Army* *Logistics Transformation Agency*



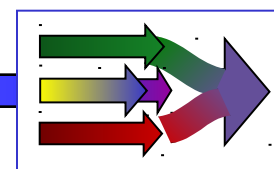
## **Common Logistic Operating Environment (CLOE)**

**Information Briefing for the**

**LIW #5**

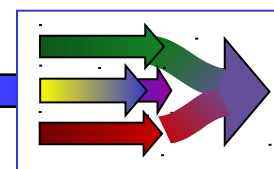
**11 June 2003**

**Materiel Logistics Division  
Logistics Transformation  
Agency  
(717) 770-7600**



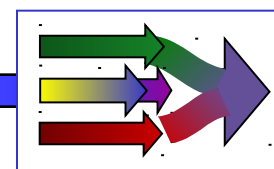
# What is CLOE?

- CLOE Is The **“End State”** That **Guides** The Army’s Vision For **The Development**, Demonstration And Implementation Of An Advanced Information Framework For Platform Sustainment In A Networked Environment.
- CLOE Addresses **How We Must Reengineer** Processes And Transform Our Systems And Organizations To Ensure Reliability, Maintainability, Supportability And Interoperability.
- CLOE Integrates Platform, Information, And C3 Technologies **To Accelerate The Transition** To Objective Logistics Processes



## *CLOE Components*

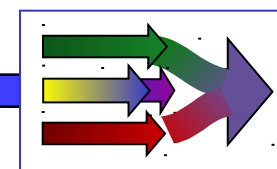
- **CLOE Is A Health Management *Environment* For Self-reporting Platforms With Anticipatory Sustainment Processes**
  - Platform Enabling Technology
  - Hardware & Software
  - Doctrine
  - Management Oversight
- **CLOE Is A *Process* That**
  - Defines The Vision
  - Streamlines The Operational Architecture
  - Synchronizes Sustainment Doctrine And Technology For Composite Forces On The Objective Force Battlefield
  - Guides Platform Technology Insertion, Overwatches Configuration Management And Ensures Interoperability



## *The CLOE End-State*

**The CLOE End-state Is A Technology-enabled Army With Self-diagnosing Platforms That Interact With A Networked, Agile Sustainment System To Provide The Highest Possible State Of**

- ***Operational Availability***
- ***Mission Capability***
- ***Combat Power***



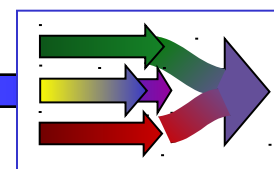
# Differences

Force Scope  
Commodity Scope  
Supply System Scope  
Users  
Uses  
Data Interface to Log  
System  
OTH Communications  
Media  
Predictive Health  
Management  
Anticipatory  
Logistics  
Doctrine & Business Practices  
Fielding Date

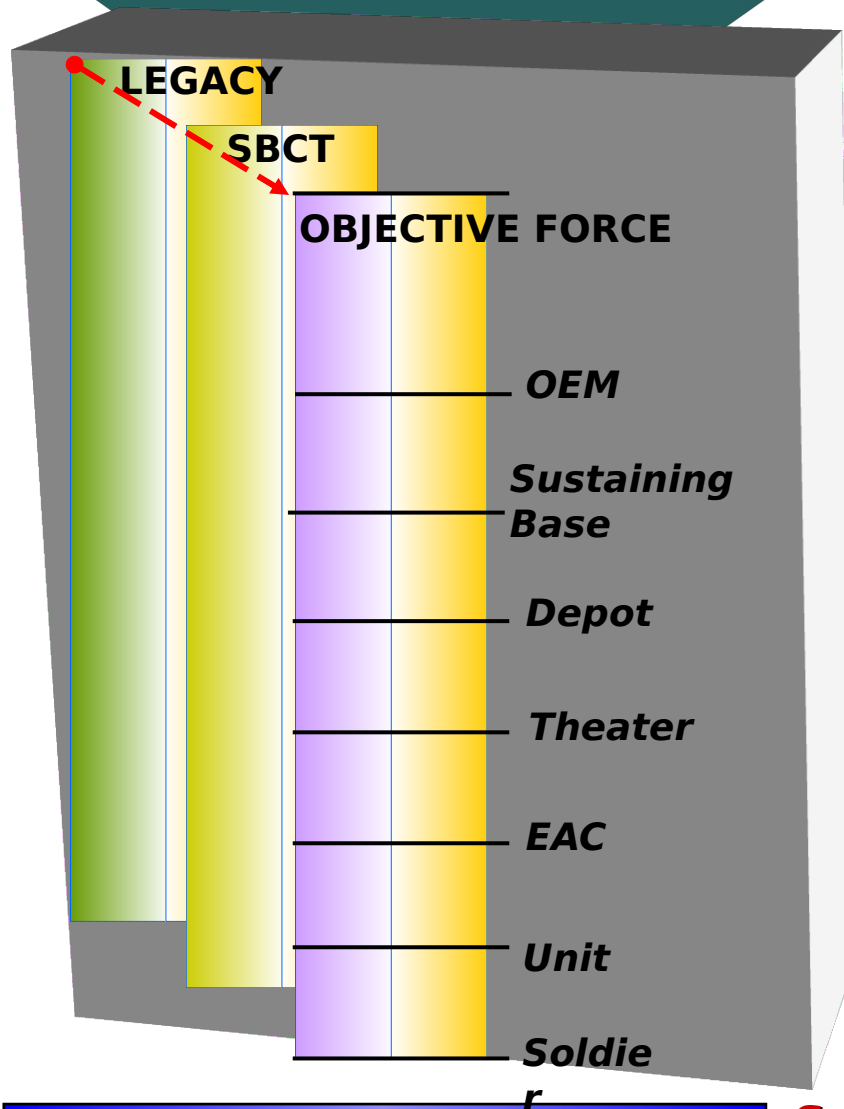
SBCT OA	CLOE
Legacy & Interim	Objective Force
Ground Vehicles	All Equipment and Soldiers
ULLS & SAMS	GCSS-A & LMP ERP
Brigade & Below	Soldiers, Managers, Maintainers, Logisticians
Tactical	Full Spectrum Sustainment
Mil-Std-3008	SAP ERP / MIMOSA
SINGARS, MTS	JTRS, WIN-T
PMM / Stryker ED	(+) LDSS / PSMRS
SBCT OA	SAP ERP
SBCT OA	(+) FCS ORD; OF O&O
2006	2008-2010



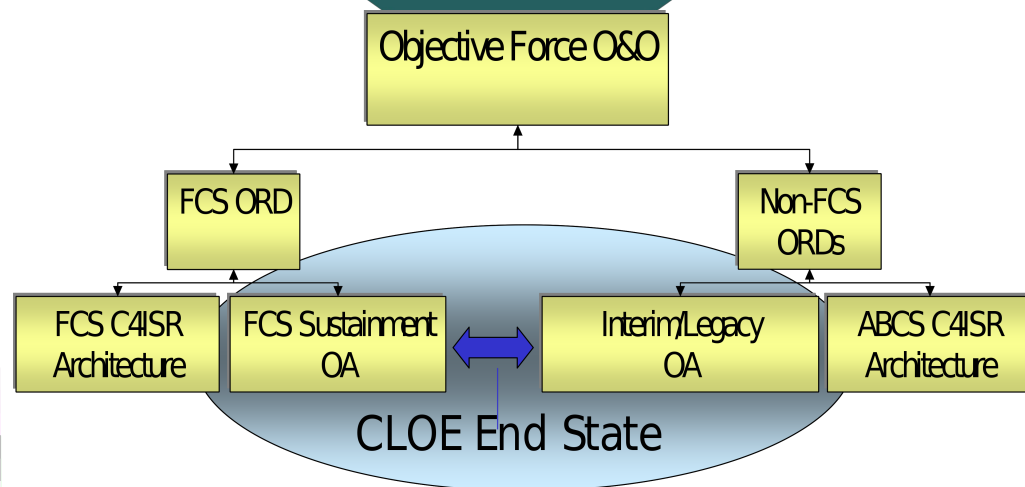
# CLOE Reflects Objective Force Goals



## Factory to Foxhole

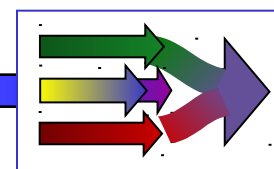


## Interoperability



Addresses All Systems, Space to Mud

**Sustaining The Transforming Army**



# CLOE's Phased Strategy

FY03      FY04      FY05      FY06      FY07      FY08 .....

Build  
Health  
Mgmt  
OA

**SBCT Poe  
Demo**

**Scale-up**

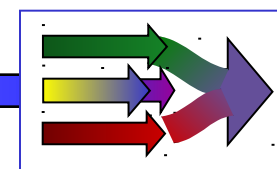
**Exercise**

Scale-up The OA;  
Establish FCS Interoperability;  
Acquire Infrastructure

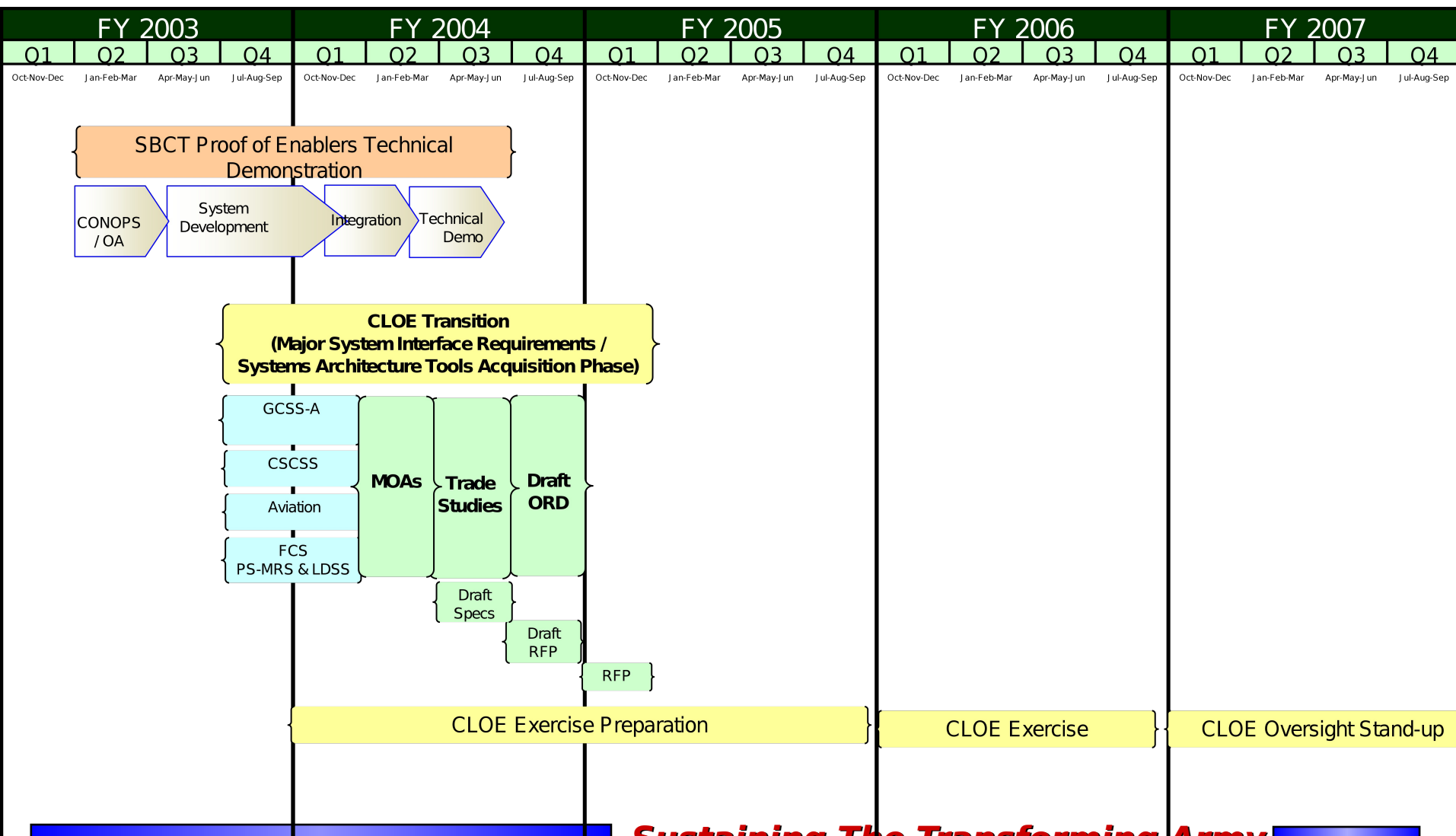
**Implementation**

Establish The  
Process

***Sustaining The Transforming Army***

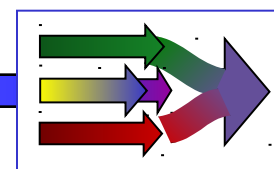


# CLOE Roadmap

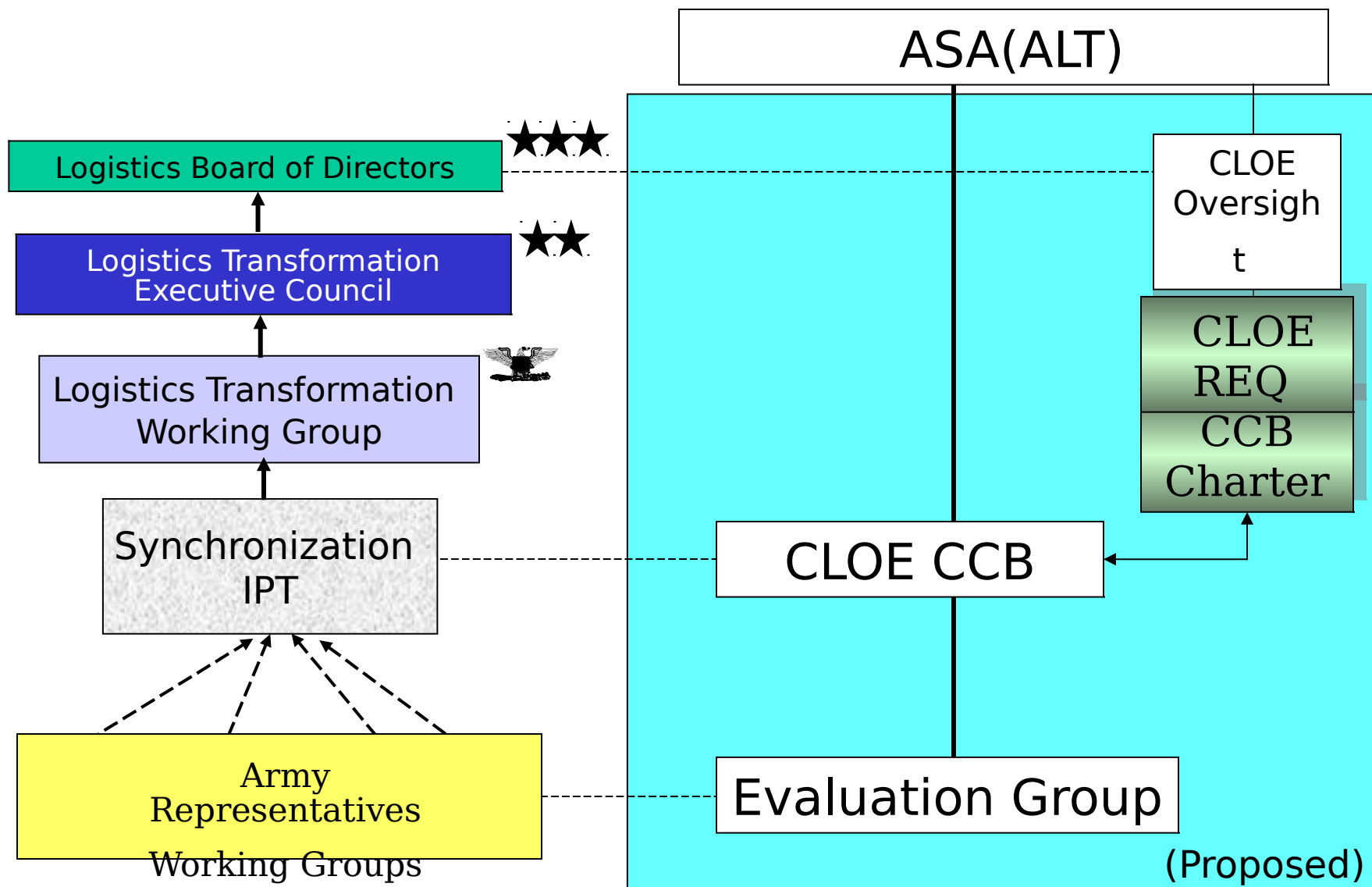


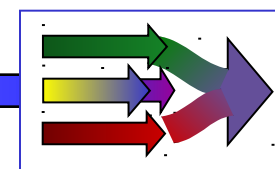
**Sustaining The Transforming Army**



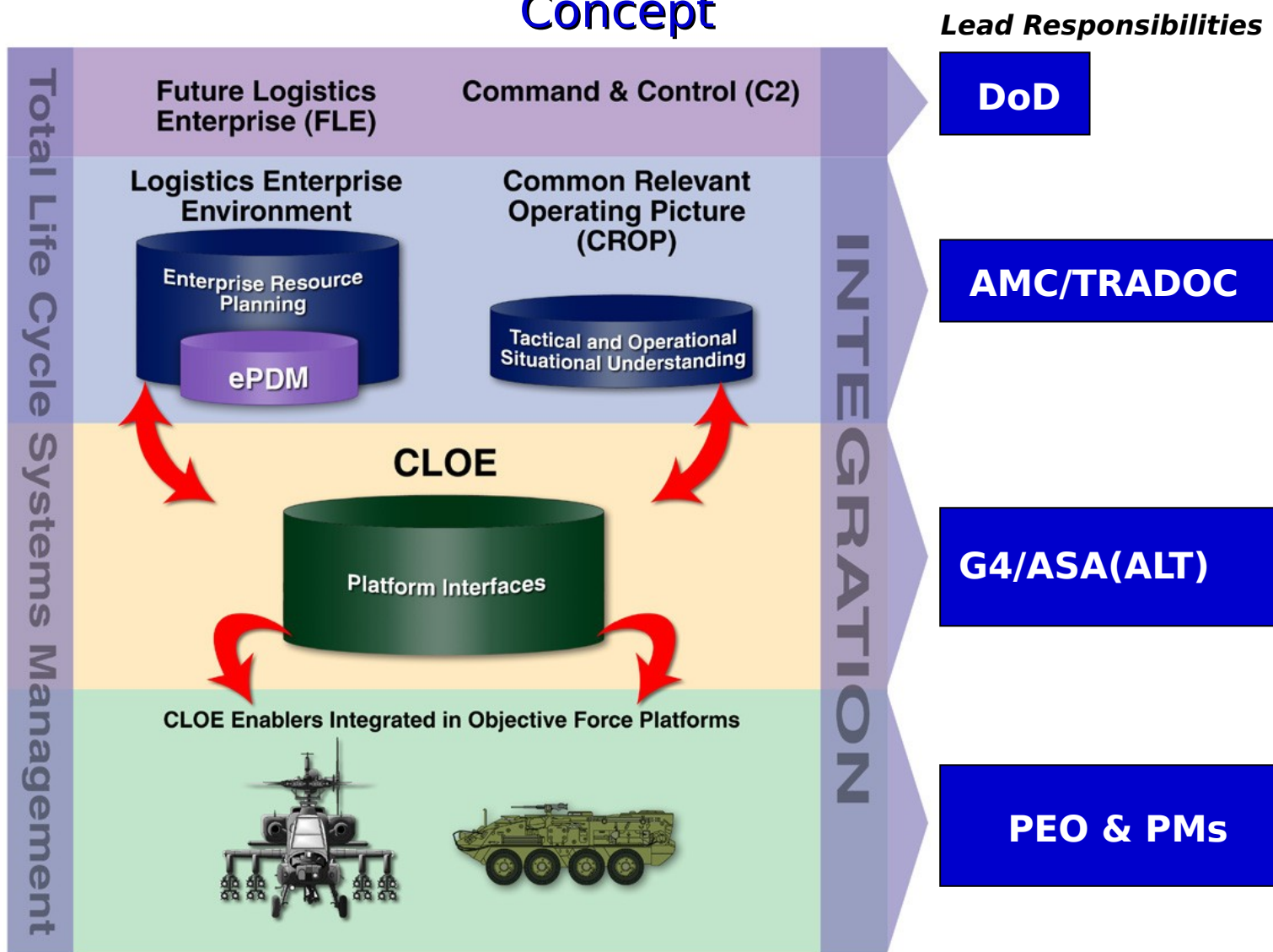


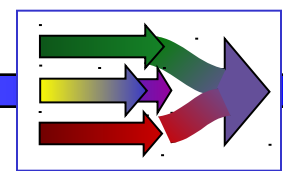
# CLOE Oversight Process





# High-Level Operational Concept





# *What Does it Mean to be CLOE-Compliant?*

- **Principles-based**

- CLOE Will Publish Principles Of Health Management

- **Standards-based**

- CLOE Will Provide Guidelines For Acquisition Managers That Identify Software & Hardware Standards And Protocols For ED / EP\*

**e.g.: SAE Standards For ED, Open Architecture With Appropriate API's, SAP-certified Apps, SAP OCI**

- **Configuration-managed**

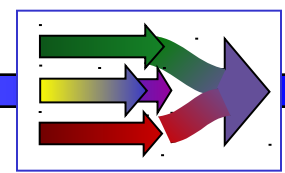
- The CLOE CCB Process Ensures Compliance With Interoperability Guidelines

- **Peer Reviewed**

- The CLOE Synchronization IPT Reviews System Proposals And CCB Findings

\* ED / EP: Embedded Diagnostics and Prognostics

***Sustaining The Transforming Army***



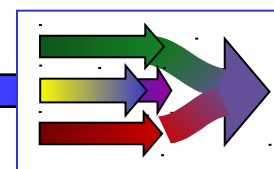
# CLOE Benefits

## Operational

- **Maximizes** Equipment Operational Availability
- **Enhances** War Fighter's Situational Understanding
- **Improves** Maintenance Agility (Enables 2-level Maintenance)
- **Reduces** Logistics Footprint
- **Provides** Lateral Asset Visibility
- **Reduces** Total Life-cycle Costs

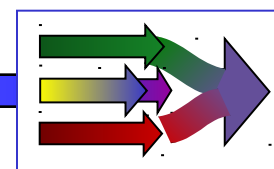
## Doctrinal

- **Provides** The Framework For Interoperability For FCS And Non-fcs Sustainment
- **Provides** The Structure And Process For Synchronizing Army Maintenance Doctrine



## *No-CLOE Impact*

- Legacy, Interim And Objective Force Equipment Will Continue To Have Unique Support Systems
- 2-level Maintenance Will Continue To Be Ad Hoc And Uneven Across Army Weapon Systems
- Maintenance Manpower On The Battlefield Will Not Be Adequate To Sustain TO&E Equipment In Legacy And Interim Force Units.
  - **Reliance On Contractor Logistic Support *Will Not Diminish***
- Sustainment Costs Will Continue To Be Excessive
- Logistics Footprint Will Not Be Reduced



## *Conclusion – thoughts to take away*

- **The Value Of CLOE Is Not In Technology, But In The Impact On The Warfighter**
- **CLOE Is The Initiative That Will Drive Sustainment Interoperability Among Legacy, Interim And FCS Forces On The Objective Force Battlefield.**

**No-CLOE is Not An Option**